

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claims 1-2 (canceled)**

1           **Claim 3 (currently amended):** A multi-mode cellular  
2 phone terminal comprising:

3           radio communications means connected to an antenna for  
4 transmitting/receiving radio waves;

5           signal processing means for transmitting/receiving a  
6 transmit/receive signal to/from said radio communication  
7 means; and

8           communications control means for controlling said  
9 radio communications means and said signal processing  
10 means, said multi-mode cellular phone terminal supporting  
11 a plurality of communications systems,

12           wherein said radio communications means is composed of  
13 hardware to be use in common by a plurality of  
14 communications systems, and said signal processing means is  
15 composed of hardware to execute signal processing  
16 supporting ~~a~~ the plurality of communications systems,

17           wherein said signal processing means can support  
18 different bit rates and modulation systems ~~using different~~  
19 ~~communication systems timings~~, and

20 ~~wherein communication control means can support~~  
21 ~~different communications systems timings~~

22 wherein connection of a voice or data communication is  
23 established by switching over and counting a plurality of  
24 timings to support the plurality of communications systems  
25 and maintaining the system timing synchronization  
26 supporting the plurality of communications systems.

**Claim 4 (canceled)**

1 **Claim 5 (previously presented):** A multi-mode cellular  
2 phone terminal according to claim 3, wherein a clock having  
3 a frequency necessary for modulation/demodulation at a  
4 plurality of different bit rates is generated by frequency  
5 division means for making integral frequency division via  
6 different dividing number or fractional frequency division  
7 of a common reference clock output from a single  
8 oscillator.

**Claim 6 (canceled)**

1 **Claim 7 (original):** A multi-mode cellular phone  
2 terminal according to claim 3, wherein said signal  
3 processing means executes modulation/demodulation  
4 supporting a plurality of communications systems and has a

5 signal processor composed of common hardware and memory  
6 storing a plurality of signal processing programs.

**Claim 8 (canceled)**

1 **Claim 9 (original):** A multi-mode cellular phone  
2 terminal according to claim 3, wherein said signal  
3 processing means has a signal processor composed of common  
4 hardware and read/write memory storing the minimum signal  
5 processing programs to support each communications system.

1 **Claim 10 (original):** A multi-mode cellular phone  
2 terminal according to claim 3, wherein said communications  
3 control means has a controller supporting a plurality of  
4 communications systems and memory storing control programs  
5 supporting the multi-mode.

**Claim 11 (canceled)**

1 **Claim 12 (original):** A multi-mode cellular phone  
2 terminal according to claim 5, wherein said multi-mode  
3 cellular phone terminal has a system timer for switching  
4 over a plurality of clocks generated by said frequency  
5 division means and counting different timings to support a  
6 plurality of communications systems.

1           **Claim 13 (previously presented):**     A multi-mode  
2     cellular phone terminal comprising  
3           radio communications means connected to an antenna for  
4     transmitting/receiving radio waves;  
5           signal processing means for transmitting/receiving a  
6     transmit/receive signal to/from said radio communication  
7     means; and  
8           communications control means for controlling said  
9     radio communications means and said signal processing  
10    means, said multi-mode cellular phone terminal supporting  
11    a plurality of communications systems,  
12           wherein said radio communications means is composed of  
13    hardware to be use in common by a plurality of  
14    communications systems, and said signal processing means is  
15    composed of hardware to execute signal processing  
16    supporting a plurality of communications systems,  
17           wherein communications control means can support  
18    different communications control systems and that said  
19    signal processing means can support different bit rates and  
20    modulation systems,  
21           wherein said communications control means has a  
22    controller supporting a plurality of communications systems  
23    and memory storing control programs supporting the multi-  
24    mode, and  
25           wherein said multi-mode cellular phone terminal  
26    establishes connection of a voice call or data

27 communications by switching over and counting a plurality  
28 of timings to support a plurality of communications systems  
29 and maintaining the system timing synchronization  
30 supporting a plurality of communications systems.

1           **Claim 14 (previously presented):**     A multi-mode  
2 cellular phone terminal comprising  
3           radio communications means connected to an antenna for  
4 transmitting/receiving radio waves;  
5           signal processing means for transmitting/receiving a  
6 transmit/receive signal to/from said radio communication  
7 means; and  
8           communications control means for controlling said  
9 radio communications means and said signal processing  
10 means, said multi-mode cellular phone terminal supporting  
11 a plurality of communications systems,  
12          wherein said radio communications means is composed of  
13 hardware to be use in common by a plurality of  
14 communications systems, and said signal processing means is  
15 composed of hardware to execute signal processing  
16 supporting a plurality of communications systems,  
17          wherein communications control means can support  
18 different communications control systems and that said  
19 signal processing means can support different bit rates and  
20 modulation systems,

21            wherein said multi-mode cellular phone terminal has a  
22            system timer for switching over a plurality of clocks  
23            generated by said frequency division means and counting  
24            different timings to support a plurality of communications  
25            systems, and

26            wherein said multi-mode cellular phone terminal  
27            establishes connection of a voice call or data  
28            communications by switching over and counting a plurality  
29            of timings to support a plurality of communications systems  
30            and maintaining the system timing synchronization  
31            supporting a plurality of communications systems.

1            **Claim 15 (previously presented):**     A multi-mode  
2            cellular phone terminal comprising

3            radio communications means connected to an antenna for  
4            transmitting/receiving radio waves;

5            signal processing means for transmitting/receiving a  
6            transmit/receive signal to/from said radio communication  
7            means; and

8            communications control means for controlling said  
9            radio communications means and said signal processing  
10           means, said multi-mode cellular phone terminal supporting  
11           a plurality of communications systems,

12           wherein said radio communications means is composed of  
13           hardware to be use in common by a plurality of  
14           communications systems, and said signal processing means is

15 composed of hardware to execute signal processing  
16 supporting a plurality of communications systems,

17 wherein communications control means can support  
18 different communications control systems and that said  
19 signal processing means can support different bit rates and  
20 modulation systems,

21 wherein a clock having a frequency necessary for  
22 modulation/demodulation at a plurality of different bit  
23 rates is generated by frequency division means for making  
24 integral frequency division via different dividing number  
25 or fractional frequency division of a common reference  
26 clock output from a single oscillator, and

27 wherein said multi-mode cellular phone terminal  
28 establishes connection of a voice call or data  
29 communications by switching over and counting a plurality  
30 of timings to support a plurality of communications systems  
31 and maintaining the system timing synchronization  
32 supporting a plurality of communications systems.

1 **Claim 16 (original):** A multi-mode cellular phone  
2 terminal according to claim 13, characterized in that said  
3 multi-mode cellular phone terminal performs a handover  
4 between different communications systems by providing  
5 monitoring means for monitoring the receiving state to  
6 support the communications system of the handover  
7 destination in the idle period of an established

8     communications system in connecting a voice call or data  
9     communications and by maintaining the system timing  
10    synchronization to support the communications system of the  
11    handover destination.

1           **Claim 17 (original):** A multi-mode cellular phone  
2     terminal according to claim 14, characterized in that said  
3     multi-mode cellular phone terminal performs a handover  
4     between different communications systems by providing  
5     monitoring means for monitoring the receiving state to  
6     support the communications system of the handover  
7     destination in the idle period of an established  
8     communications system in connecting a voice call or data  
9     communications and by maintaining the system timing  
10    synchronization to support the communications system of the  
11    handover destination.

1           **Claim 18 (original):** A multi-mode cellular phone  
2     terminal according to claim 15, characterized in that said  
3     multi-mode cellular phone terminal performs a handover  
4     between different communications systems by providing  
5     monitoring means for monitoring the receiving state to  
6     support the communications system of the handover  
7     destination in the idle period of an established  
8     communications system in connecting a voice call or data  
9     communications and by maintaining the system timing



10      synchronization to support the communications system of the  
11      handover destination.